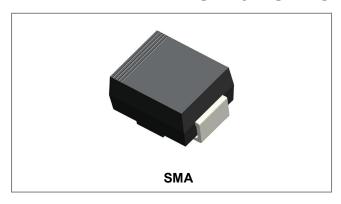






SK26A SCHOTTKY RECTIFIER



Features

- Small foot print, surface mountable
- Very low forward voltage drop
- High frequency operation
- Guard ring for enhanced ruggedness and long term
- reliability
- Green products in compliance the ROHS directive
- Terminals finish: Tin Lead-free plated
- This is a Halogen Free Device
- All SMC parts are traceable to the wafer lot
- Additional testing can be offered upon request

Circuit Diagram



Applications

- Switching power supply
- Converters
- Free-Wheeling diodes
- Reverse battery protection

Maximum Ratings(limiting values, T_C =25°C unless otherwise specified)

Characteristics	Symbol	Condition	Max.	Units
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	V _{RRM} V _{RWM} V _R	-	60	V
Average Rectified Forward Current	I _{F (AV)}	50% duty cycle @T _C =105°C, rectangular wave form	2	Α
Peak One Cycle Non-Repetitive Surge Current	I _{FSM}	8.3ms, Half Sine pulse	50	Α

Electrical Characteristics:

Characteristics	Symbol	Condition	Тур.	Max.	Units
Forward Voltage Drop*	V _{F1}	@ 2A, Pulse, T _J = 25 °C	0.56	0.7	V
Reverse Current*	I _{R1}	$@V_R = \text{rated } V_{R_1} T_J = 25 ^{\circ}\text{C}$	0.004	1.0	mA
	I _{R2}	$@V_R = \text{rated } V_{R_1} T_J = 100 ^{\circ}\text{C}$	-	20	mA
Junction Capacitance	Ст	$@V_R = 5V, T_C = 25 ^{\circ}C, f_{SIG} = 1MHz$	85	250	pF
Series Inductance	Ls	Measured lead to lead 5 mm from package body	8.0	-	nH
Voltage Rate of Change	dv/dt	-	-	10,000	V/μs

^{*} Pulse width < 300 µs, duty cycle < 2%



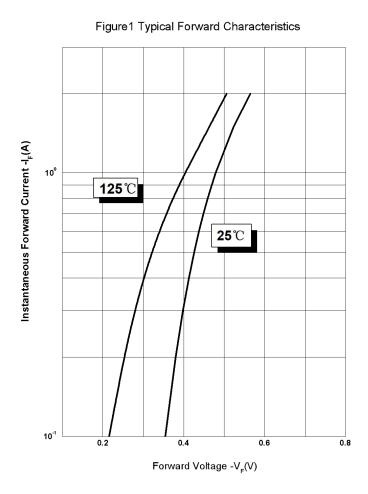


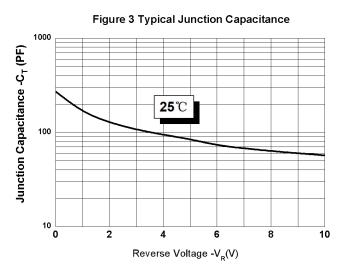


Thermal-Mechanical Specifications:

Characteristics	Symbol	Condition	Specification	Units
Junction Temperature	TJ	-	-55 to +150	°C
Storage Temperature	T_{stg}	-	-55 to +150	°C
Typical Thermal Resistance Junction to Case	$R_{ heta Jc}$	DC operation	8	°C/W
Approximate Weight	wt	-	0.06	g

Ratings and Characteristics Curves





[•] China - Germany - Korea - Singapore - United States •

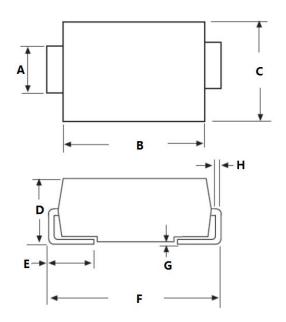
[•] http://www.smc-diodes.com - sales@ smc-diodes.com •







Mechanical Dimensions SMA



SYMBOL	Millimeters		Inches		
	Min.	Max.	Min.	Max.	
А	1.25	1.65	0.049	0.065	
В	3.95	4.6	0.156	0.181	
С	2.25	2.95	0.089	0.116	
D	1.95	2.9	0.077	0.114	
E	0.75	1.6	0.03	0.063	
F	4.8	5.6	0.189	0.22	
G	0.05	0.2	0.002	0.008	
Н	0.15	0.41	0.006	0.016	

Ordering Information

Device	Package	Shipping
SK26A	SMA	5000pcs / reel
SK26ATR	SMA	5000pcs / reel

For information on tape and reel specifications, including part orientation and tape sizes, please refer to our tape and reel packaging specification.

Marking Diagram

SK26A X0000X Where XXXXX is YYWWL

 SK
 = Device Type

 2
 = Forward Current (2A)

 6
 = Reverse Voltage (60V)

 A
 = Package type

 YY
 = Year

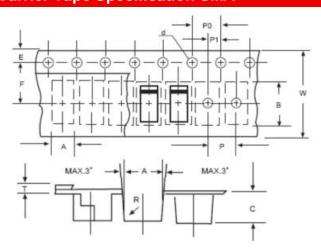
 WW
 = Week

 L
 = Lot Number

Cautions: Molding resin

Epoxy resin UL:94V-0

Carrier Tape Specification SMA



SYMBOL	Millimeters		
STWIBUL	Min.	Max.	
Α	2.97	3.17	
В	5.70	5.90	
C	2.32	2.52	
d	1.40	1.60	
E	1.40	1.60	
F	5.60	5.70	
Р	3.90	4.10	
P0	3.90	4.10	
P1	1.90	2.10	
Т	0.25	0.35	
W	11.80	12.20	

- China Germany Korea Singapore United States
 - http://www.smc-diodes.com sales@ smc-diodes.com •









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